

APPENDIX 1

*merlin*



**Illustrations and Examples**

***"I am Merlin. I'm at your service." --- From a tale still told  
in Brittany***

The Wizard of Merlin .....	3
Illustration 1 – Merlin Dynamically Generated Clinical Information Application .....	4
Illustration 2 – Merlin Dynamically Generated Driver's Log and Inspection Application.....	6
Illustration 3 – Merlin Dynamically Generated Clinical Trials Application .....	9
Illustration 4 – various additional Merlin controls and their use. ....	10
Illustration 5 – Merlin's Data Interchange Macro Recorder Object .....	11
Illustration 6 – Providing Permissions Through Merlin .....	13
Illustration 7 – Field Format Controls .....	14
YESNO – A Special Control Object.....	17
Field Format Object List.....	20
Illustration 8– Displaying Data.....	21
Illustration 9 - Help .....	22
Quick Tip Help .....	22
Specific help for a particular field .....	22
Merlin system level application help .....	23

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## The Wizard of Merlin

Merlin is a complete visual development environment composed of sophisticated programs that are unconstrained by application-specific intelligence and are driven by a series of RAK – Repository of Application tables that are populated by a business Subject Matter Expert (SME) --- not a programmer. It is referred to as a Dynamic Application Generator since it automatically and dynamically generates business applications capable of capturing, updating, storing, and bilaterally replicating data across normal application barriers.

Merlin was constructed using an industry standard visual-software-platform that provides common access across a wide variety of hardware platforms spread geographically.

The power of Merlin is as applicable to the trucking industry as it is to medicine, to pharmaceuticals, to insurance, to any industry, company, organization, or individual with a desire to regain control of their data and applications or with a desire to more dynamically manage their data in a fast changing world.

A SME's primary interface to Merlin, its controls and Repository of Application Knowledge (RAK) tables is through the Merlin Repository of Application Knowledge Wizard (MRAK-Wizard). This wizard is used by the SME to either dynamically build or modify the data in these tables that in turn drive Merlin.

The process to utilize MRAK-Wizard is explained and illustrated under separate cover.

For ease of illustration in this guide, the examples shown will depict a number of partially built applications for different industries, including,

- A clinical information application resident in a web based environment,
- A driver's daily log and inspection application for the trucking industry that will be operational in a wireless PDA environment,
- A clinical trials application for the pharmaceuticals industry that needs to be available in all environments.

Note: as each new component is added by an SME he or she can invoke Merlin and witness the result of their undertaking. This allows an SME to prototype as they build; quickly catching any mistakes they might make and take corrective action.

The following represents the SME's current prototype of these applications.

### ***Illustration 1 – Merlin Dynamically Generated Clinical Information Application***

This application was built for a large outpatient clinic that required access via the web. It has two types of users, (physicians and administrative assistants) and each were required to receive their unique menu and tree choices to limit the functionality they could invoke.

This first graphic represents a physician user who is entering or reviewing clinical data about a patient. Merlin dynamically built each segment of the GUI below from the RAK tables populated by the clinical SME.

The menu is at the top, followed by label and identifying data. The window on the left is a Menu Tree with nodes that allow the user either, add or display clinical history data. The window on the right is currently exposing the form to add a new allergy for this patient. Patient ID, Short ID, Allergy Type and Specific Allergy are marked with an \* meaning they are required and the data cannot be saved until entries are made.

File Encounter SOC and Orders Tools Help Exit Last Menu

Current Open Form: New Allergy Data

	Description (*)Required	Input Data
1	* Patient ID	
2	* Short ID	
3	* Allergy Type	NA
4	* Specific Allergy	
5	Allergic Reaction	
6	Allergy Remarks	

Save Clear

When a user clicks on Patient\_ID, the SME has determined that the patient should be chosen from a data tree and has constructed the Tree\_Control RAK to handle the situation. It will be exposed in the left window as follows by a Merlin Data Tree control object. A selection can be made by keyboard, double click or drag and drop anywhere in the right window.

Current Open Form: New Allergy Data	
Description (*)Required	Input Data
1 * Patient ID	
2 * Short ID	
3 * Allergy Type	NA
4 * Specific Allergy	
5 Allergic Reaction	
6 Allergy Remarks	

When a user clicks on Allergy Type, the SME has determined that the type of allergy should be chosen from a keypad and has populated the Keypad\_Control RAK to accommodate this situation. The keypad will be exposed in the window on the right as follows using a Merlin keypad control object. A selection can be made by keyboard or double click.

Current Open Form: New Allergy Data	
Description (*)Required	Input Data
1 * Patient ID	20/017983456
2 * Short ID	
3 * Allergy Type	NA
4 * Specific Allergy	
5 Allergic Reaction	
6 Allergy Remarks	

Select Allergy Type

Food Medication Other

Go Ahead Cancel

The menu at the top is also built by the SME and contains those menu actions he or she has determined should be contained within the application and invoked from a dynamically generated menu.

## Illustration 2 – Merlin Dynamically Generated Driver's Log and Inspection Application

This application was built for a trucking firm to insure they exceeded DOT standards for data acquisition and reporting. Its data entry users were to be truck drivers located randomly around the US so they required an easy to use system for people who were not computer or keyboard proficient. The results will be a wireless system on PDA's, but more importantly, a system requiring as little typing as possible.

This first graphic represents a driver's daily log of activity in which the only fields requiring input are,

- The activity (chosen from a specific list shown on the data tree to the left),
- And the times the activity started and stopped (shown on the second graphic).

Merlin dynamically built each segment of the GUI below using internal controls called for by the data in the RAK tables populated by the trucking SME.

User: Fred      Current Open Form: Drivers Daily Activity Log

Description (*)Required	Input Data
1 * Driver ID	12345
2 * Driver's Name	Bowler F. L.
3 Date	01AUG2001
4 Driver's Activity To Log	
5 Activity Start Time	08:32 AM
6 Activity Stop Time	08:32 AM

User: Fred      Current Open Form: Drivers Daily Activity Log

Description (*)Required	Input Data
1 * Driver ID	12345
2 * Driver's Name	Bowler F. L.
3 Date	01AUG2001
4 Driver's Activity To Log	Driving
5 Activity Start Time	08:32 AM
6 Activity Stop Time	12:00 PM

Hour: 09, 10, 11, 12      Minute: 00, 01, 02, 03      AM, PM

Go Ahead      Cancel

When a driver wishes to record the findings of his daily tractor and trailer inspection he chooses the inspection form shown on the menu tree. Merlin follows directions built into the Forms display RAK by the trucking SME and presents the following to the driver.

Although not shown there are 70 entries on this form a driver needs to consider, yet each one carries a default so a driver need only concern him or her self with negative findings. In addition, each entry is controlled by a Merlin control object specified by the SME to allows a driver only to choose entries from a data tree, keypad, dropdown, date control object, etc. This ensures that the driver does not have to use the limited keyboard of the PDA.

See the second graphic for further illustration of this. The driver indicated that there was a problem with the oil level. In this case the SME determined that his choices for entry would be displayed on a keypad as shown.

File Tools Help Drivers Help Edit

User: Fred Current Open Form: Drivers Inspection

	Description (*)Required	Input Data
1	• Driver ID	12345
2	• Driver's Name	Franks J.E.
3	• Tractor number	98678
4	• Trailer number	1450
5	Location	KC
6	Oil Leak?	NONE
7	Oil Level Ok?	Y
8	Oil Level Problem	Result Box
9	Grease Ok?	Y
10	Grease Problem	Result Box
11	Coolant Ok?	Y
12	Coolant Problem	Result Box
13	Fuel Leak ?	Y
14	Fuel Problem	Result Box
15	Belts Ok?	Y
16	Belt Problem	Result Box
17	Tractor Windows Ok?	Y
18	C/W/D Problem	Result Box
19	Body/Doors Ok?	Y
20	B/D Problem	Result Box
21	Wipers/Washers Ok?	Y
22	W/W Problem	Result Box
23	Seatbelts Ok?	Y
24	Seatbelt Problem	Result Box
25	Mirrors Ok?	Y
26	Mirrors Problem	Result Box

Show Forms  
 Daily Log Summary  
 Daily Activity Log  
 Driver's Inspection  
 Display Data  
 Daily Log Summary  
 Daily Activity Log  
 Driver's Inspection

Save Clear

7	Oil Level Ok?	N									
8	Oil Level Problem	Result Box									
9	Grease Ok?	Y									
10	Grease Problem	<div> Select "Oil Level Ok?" <div>Go Ahead</div> <div>Cancel</div> </div> <table border="1"> <tr> <td>1 QT Low</td> <td>2 QT Low</td> <td>3 QT Low</td> </tr> <tr> <td>5 QT Low</td> <td>6 QT Low</td> <td>7 QT Low</td> </tr> <tr> <td>8 QT Low</td> <td>Stop</td> <td></td> </tr> </table>	1 QT Low	2 QT Low	3 QT Low	5 QT Low	6 QT Low	7 QT Low	8 QT Low	Stop	
1 QT Low	2 QT Low		3 QT Low								
5 QT Low	6 QT Low		7 QT Low								
8 QT Low	Stop										
11	Coolant Ok?										
12	Coolant Problem										
13	Fuel Leak ?										
14	Fuel Problem										
15	Belts Ok?										
16	Belt Problem										

Once collected, personnel at the home office can use Merlin to dynamically display and report on the data.

User: Fred
Current Open Form: Drivers Daily Log Summary

Show Forms

- Daily Log Summary
- Daily Activity Log
- Driver's Inspection

Display Data

- Daily Log Summary
- Daily Activity Log
- Driver's Inspection

Displaying Data for Form: Drivers Daily Log Summary
Reset

CARRIER	DRIVER NAME	DRIVER ID	CO-DRIVER NAME	CO-DRIVER ID	DE
HARTT	Silverstein B.D.	1234	Silverstein B.D.		07
HARTT	Heathcliff P.R.	1234	Franks J.E.	2222222	07
HARTT	Rowdy D. L.	9999	Devine D.D.	8888	07

Displaying data for Form: Drivers Inspection
Reset

DRIVER ID	DRIVER NAME	TRACTOR NUMBER ID	TRAILER NUMBER ID	LOCATION
1234	Silverstein B.D.	1234	4321	
1234	Silverstein B.D.	1234	4321	

092444 - 082101



### Illustration 3 – Merlin Dynamically Generated Clinical Trials Application

This application was built for a pharmaceuticals firm to insure they were able to gather data in real time for a drug under development. Its data entry users were to be medical assistants in physician's offices located around the US so they required an efficient means of acquiring data in a manner that could be a combination of server based, web based, and wireless.

This graphic represents the vehicle the pharmaceutical SME chose to use in acquiring data regarding a visit to a physician by a subject involved in the study. As with any application built with Merlin, the choices an SME has in determining the most effective and efficient method of acquiring data is almost limitless.

Merlin dynamically built each segment of the GUI below using internal controls called for by the data in the RAK tables populated by the pharmaceuticals SME.

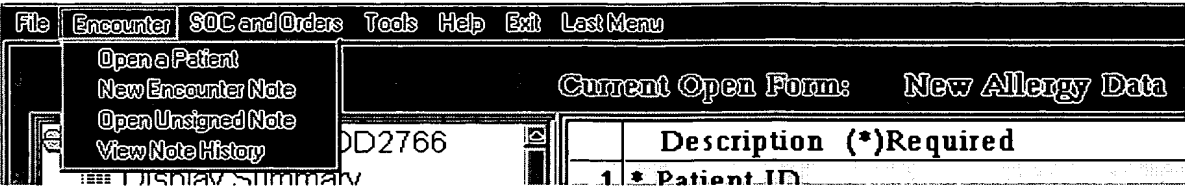
Current Open Form: Drug Visit Data

Description (*)Required	Input Data
1 Subject ID	99-1436
2 Visit Date	08/01/2001
3 Visit Time	09:21 AM
4 Visit Type	1
5 Diagnosis Code	N/A
6 Weight	
7 BP Systolic	
8 BP Distolic	
9 Comments	
10 Temperature	
11 General Health	G
12 Drug Rx?	N
13 Reason	No covered by Ins
14 Dosage Issued	N/A
15 Return Appt Made	
16 Info to Patient?	
17 Meds Considered?	N
18 MED Considered	Result Box
19 Switch frm Diova	N
20 Switch reason	Result Box
21 Drug Treatment	N
22 Add on Treatment	Result Box
23 Adverse React'n?	N
24 Adverse Reaction	Result Box
25 Sudden BP Drop?	N
26 Drop %	Result Box

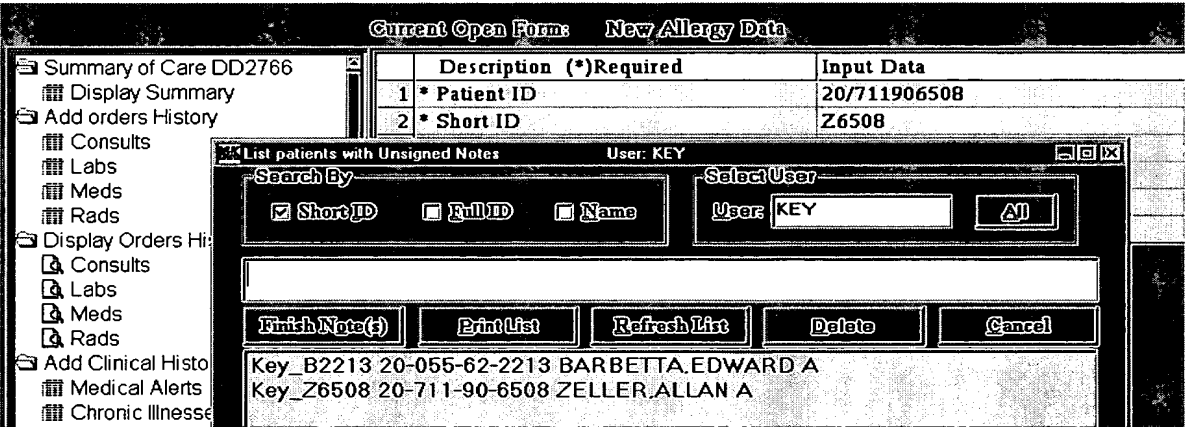
Save Clear

**Illustration 4 – various additional Merlin controls and their use.**

An illustration follows in which a SME wishes to link up the Merlin clinical system with an existing note system. The SME has populated the Menu\_Control RAK with a series of Action types that will invoke other programs, in this case a note and note history application.



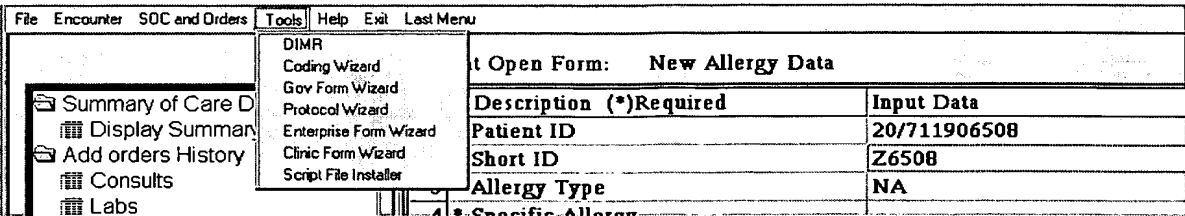
When, for example, Open unsigned note is chosen, the SME has populated the RAK tables so that a user can choose to complete an encounter not for one of their patients. Merlin will perform the task of invoking the external application thus allowing a user to integrated with the other applications, as follows.



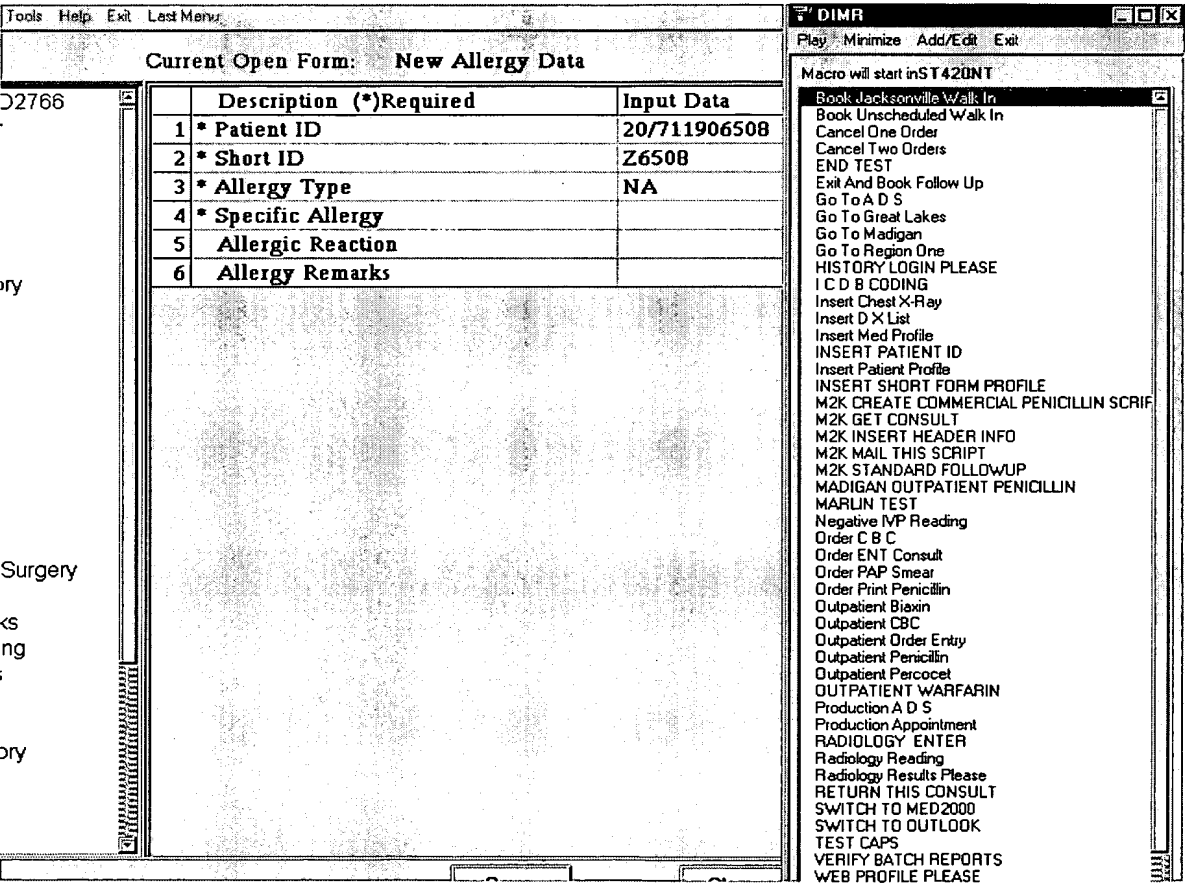
The user can then choose the correct patient and press Finish Note(s). They would then be working in an application outside Merlin.

**Illustration 5 – Merlin’s Data Interchange Macro Recorder Object**

If an SME wants to allow a user to exchange data between the Merlin application and another application they can invoke the Merlin Data Interchange Macro Recorder (DIMR) as follows.



When the DIMR is chosen from the menu, the SME has specified in the RAK tables that the following be presented.



This user can now run the DIMR scripts they built to,

- Extract data from Merlin and drive it into its proper place in one or more different applications,
- Extract data from another application and drive it into its proper place in Merlin
- Automatically populate the Merlin form,
- Automatically populate the Merlin form and drive the data into its proper place in one or more other applications,
- Automatically populate the other application drive the data into its proper place in Merlin.
- Etc.

The DIMR also has a full-featured set of controls to allow a user to easily create, edit and voice activate the control object to play them.

0934441.082101  
TOT280" T44E60

## Illustration 6 – Providing Permissions Through Merlin

If a user who was categorized as administrative logged into Merlin for the clinical information application the SME has determined that their GUI would look somewhat different so they populated the RAK tables with different data for this user type. There is no clinical data menu or tree choice as well as no option to invoke another program. Their tree is limited to patient administrative functions only.

This allows a SME to establish an unlimited number of environments and permissions to use them, all controlled by dynamic menus and dynamic menu trees within one application for the various user types who are allowed to use the system.

File Tools Help Edit Test Menu

Current Open Form: Patient Demographics

Description (*)Required	Input Data
1 * Patient ID	
2 * Short ID	
3 Name Prefix	
4 * Last Name	
5 * First Name	
6 Middle Name	
7 DOB	31JUL2001
8 Generational Suffix	
9 Professional Suffix	NA
10 Marital Status	
11 Gender	MA
12 Race	OT
13 Religion	OT
14 Primary Care Physician	
15 Primary Care Physician Phone	
16 Patient Has Emer Contacts?	N
17 Is Patient also Guarantor?	N
18 Is Patient Military?	N
19 Patient IEN	
20 Med Treatment Facility	
21 Location of O/P File	
22 Patient SSN	
23 Does Patient have Insurance?	N
24 Patient Photograph	

Save Clear

Patient Demographics Data  
Basic Patient Data  
Address  
Phones  
Emergency Contact  
Military Data  
Insurance  
Guarantor  
Correspondence

## Illustration 7 – Field Format Controls

Further illustrations of options a SME has for limiting data choices for fields when entered, all through the population of RAK tables with simple instructions that specify a Merlin control object to be used and under what condition.

Using the Merlin clinical information application for illustration, the patient basic demographic form is exposed in the window on the right and the SME has made the following determinations and populated all RAK tables accordingly.

- DOB will use a Merlin control object that allows only the following choices.

7	DOB	31JUL2001
8	Generational Suffix	
9	Professional Suffix	
10	Marital Status	
11	Gender	
12	Race	
13	Religion	
14	Primary Care Physician	
15	Primary Care Physician Phone	
16	Patient Has Emer Contacts?	
17	Is Patient also Guarantor?	
18	Is Patient Military?	

DAY

25  
26  
27  
28  
29  
30  
31

MONTH

JAN  
FEB  
MAR  
APR  
MAY  
JUN  
JUL

YEAR

1995  
1996  
1997  
1998  
1999  
2000  
2001

Go Ahead

Cancel

- Professional Suffix will use a Merlin dropdown control object that allows only the following choices.

9	Professional Suffix	NA=Not Applicable
10	Marital Status	MD=Doctor
11	Gender	DDS=Doctor of Dentistry
12	Race	ESQ=Esquire
13	Religion	CPA=Certified Public Accountant
14	Primary Care Physician	PHD=Doctor of Philosophy
15	Primary Care Physician Phone	OT=Other
16	Patient Has Emer Contacts?	N

- **PICTURE** – If an SME determines that the application requires input and display of digital images regardless of the format, camera, scanner, MRI, x-ray, etc he or she can assign a format of PICTURE to a field. In the following example the patient form has a field called patient photograph. When a user places focus in this field they will be presented with the patients picture as follows.

**Current Open Form: Patient Demographics**

<div style="border: 1px solid black; padding: 5px;"> <b>Patient Demographics Data</b>  <ul style="list-style-type: none"> <li>Basic Patient Data</li> <li>Address</li> <li>Phones</li> <li>Emergency Contact</li> <li>Military Data</li> <li>Insurance</li> <li>Guarantor</li> <li>Correspondence</li> </ul> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 60%;">Description (*)Required</th> <th style="width: 35%;">Input Data</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>* Patient ID</td> <td></td> </tr> <tr> <td>2</td> <td>* Short ID</td> <td></td> </tr> </tbody> </table> <div style="text-align: center; margin-top: 20px;">  </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 5%;">24</td> <td style="width: 60%;">Patient Photograph</td> <td style="width: 35%;"></td> </tr> </table> <div style="text-align: center; margin-top: 10px;"> <input type="button" value="Save"/> <input style="margin-left: 50px;" type="button" value="Clear"/> </div>		Description (*)Required	Input Data	1	* Patient ID		2	* Short ID		24	Patient Photograph	
	Description (*)Required	Input Data											
1	* Patient ID												
2	* Short ID												
24	Patient Photograph												

- Fields such as Location of O/P file that may requires extensive data would use a Merlin LONGTEXT control object that allows entry of data up to 255 character.

8	Generational Suffix	<div style="border: 1px solid black; height: 100px; width: 100%;"></div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>Go Ahead</span> <span>Cancel</span> </div>
9	Professional Suffix	
10	Marital Status	
11	Gender	
12	Race	
13	Religion	
14	Primary Care Physician	
15	Primary Care Physician Phone	
16	Patient Has Emer Contacts?	
17	Is Patient also Guarantor?	
18	Is Patient Military?	
19	Patient IEN	
20	Med Treatment Facility	
21	Location of O/P File	

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**SECRET**

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Current Open Form: New Hospital Surgery History Data

Description (*)Required	Input Data
1 * Patient ID	
2 * Short ID	
3 * Date of Hosp or Surgery	31JUL2001
4 Advance Directive Provided?	N
5 Advance Directive Returned?	Y
6 Returned When?	Result Box
7 Inpatient Note ID	UNK
8 Hosp Surgery Remarks	

DAY MONTH YEAR

01	JAN	1995
02	FEB	1996
03	MAR	1997
04	APR	1998
05	MAY	1999
06	JUN	2000
07	JUL	2001

Go Ahead Cancel

Summary of Care DD2766

- Display Summary
- Add orders History
- Consults
- Labs
- Meds
- Rads
- Display Orders History
- Consults
- Labs
- Meds
- Rads
- Add Clinical History
- Medical Alerts
- Chronic Illnesses
- Allergies
- Counseling
- Family
- Hospitalization & Surgery
- Immunization
- Occupational Risks
- Readiness Tracking

- There are still other situations when the response to a YESNO field will require more than one additional piece of data depending on the answer provided to the YESNO.

If an SME encounters this situation in developing their application he or she would specify a Form\_ID in either the Yes\_Form\_ID or the No\_Form\_ID on the YESNO row in Form\_Display.

If either situation were discovered to be true by the Merlin display event control object, it would immediately invoke the Merlin Form control object using the appropriate Form\_ID and stop accepting data event entries on the currently exposed form.

The Merlin Form Control object would immediately expose the requested form in a manner that did not completely cover the current form. It would then accept data entry events from this new form and return to the calling form when a user was complete.

The following illustrates this.

On the patient form there is a question – Patient has Emergency Contact?

File Tools Help Edit Last Menu Exit Last Menu

Current Open Form: Patient Demographics

Patient Demographics Data

- Basic Patient Data
- Address
- Phones
- Emergency Contact
- Military Data
- Insurance
- Guarantor
- Correspondence

	Description (*)Required	Input Data
1	* Patient ID	
2	* Short ID	
3	Name Prefix	
4	* Last Name	
5	* First Name	
6	Middle Name	
7	DOB	31JUL2001
8	Generational Suffix	
9	Professional Suffix	NA
10	Marital Status	
11	Gender	MA
12	Race	OT
13	Religion	OT
14	Primary Care Physician	
15	Primary Care Physician Phone	
16	Patient Has Emer Contacts?	Y
17	Is Patient also Guarantor?	N
18	Is Patient Military?	N
19	Patient IEN	

If answered in the affirmative the following would be brought to focus. The patient form is still up but the Emergency contact form is now in front and in focus. When data in this form is complete, Merlin will return to the patient form.

File Tools Help Edit Last Menu Exit Last Menu

Current Open Form: Patient Demographics

Patient Demographics Data

- Basic Patient Data
- Address
- Phones
- Emergency Contact
- Military Data
- Insurance
- Guarantor
- Correspondence

	Description (*)Required	Input Data
1	* Patient ID	
2	* Short ID	
3	Name Prefix	
4	* Last Name	
5	* First Name	
6	Middle Name	
7	DOB	31JUL2001
8	Generational Suffix	
9	Professional Suffix	NA
10	Marital Status	
11	Gender	MA
12	Race	OT
13	Religion	OT
14	Primary Care Physician	
15	Primary Care Physician Phone	
16	Patient Has Emer Contacts?	Y

Description (\*)Required      Input Data

1	* Patient ID	
2	* Short ID	
3	Name Prefix	
4	* Last Name	
5	* First Name	
6	Middle Name	
7	Gender	MA
8	Primary Phone	
9	Secondary Phone	
10	Alternate Phone	

Says      Clear

## Field Format Object List

Similarly there is a Merlin control object for each of the following situations with more being continually added. This gives an SME a set of powerful controls from which to choose when attempting to limit a users choices at input time.

- TEXT – Alphanumeric entry up to 30 characters.
- LONGTEXT - Alphanumeric entry up to 255 characters
- MEMO - Alphanumeric entry up to 65,000 characters
- NUMBER – Integers and decimals
- COMDATE – Accepts dates in the format MM/DD/YYYY
- COMTIME - Accepts time in the format of a 12 hour clock
- MILDATE - Accepts dates in the format DDMMMYYYY (14JAN2001)
- MILTIME - Accepts time in the format of a 24 hour clock
- YESNO – TRUEFALSE, shown as Y or N, but stored as 0, -1
- KEYPAD - Indicates the data must be selected from a Keypad display object
- DROPDOWN - Indicates the data must be selected from a Dropdown display object
- TREE – Indicates the data must be selected from a Data Tree display object
- RESULT – Special object that receives input only from another object, e.g. Data Tree, Keypad, Dropdown, TEXT, NUMBER, alternate Form object, etc. never from direct user input. RESULT is used after a YESNO when entry in the RESULT field is required only if a previous answer dictates that it is necessary. Also used to automatically invoke a different Form object based on answers
- ZIP - Allows 9 digit zip in the format, NNNNN-NNNN
- PHONE - Allows 10 digit phone entry in the format, NNN.NNN.NNNN
- YEAR - Allows 4 digit years within the range 1880-2100

TD1230"THHE660



## Illustration 9 - Help

The Merlin control objects provided to assist an SME in building Help for the intended users of the application come in three flavors.

- Quick Tips
- Specific help for a particular field on a form
- Standardized application level help built using the Merlin SYSTEMHELP control object. This provides an easy method for an SME to create 'How Do I?' and 'Index' hyper linked help subjects.

### Quick Tip Help

This facility allows a SME to specify that a short timer message should appear over the field on a form when a user right clicks the label. The help message is limited to the size of the field and it only appears for a time in milliseconds specified by the SME.

For example, on the following the SME has populated the Quick Tip for Allergic Reaction with the brief message being shown. It will appear for 90 seconds and then disappear. The time is controlled by the SME.

	Description (*)Required	Input Data
1	* Patient ID	20/711906508
2	* Short ID	Z6508
3	* Allergy Type	NA
4	* Specific Allergy	
5	Allergic Reaction	Be very specific with details
6	Allergy Remarks	

### Specific help for a particular field

This facility allows a SME to build a help file for a field(s) specified in the Form\_Display RAK and specify that the field has Help. This will cause Merlin to automatically display a Help indicator on the menu when a user has a field in focus for which the SME has built help.

On the above illustration the SME built more detailed help for Allergy Remarks. When a user chooses help for this field, the Merlin Field Help Control object would expose the help as follows.

092441-082104  
T01230-TH0650

Current Open Form: **New Allergy Data**

	Description (*)Required	Input Data
1	* Patient ID	20/711906508
2	* Short ID	Z6508
3	* Allergy Type	NA
4	* Specific Allergy	
5	Allergic Reaction	
6	Allergy Remarks	

**Allergy Remarks.**

Please indicate any additional information regarding this patient's allergy that would be helpful to clinical personnel in the future. Include period of time patient has suffered from the allergy, special considerations and treatments received in the past, etc.

**Save** **Clear**

### Merlin system level application help

This facility allows a SME to build standard HTML help files that the Merlin system level help object will display when this help is chosen. The SME controls where the help menu goes – either on the menu, or as an alternative on the menu tree as the following example shows.

Current Open Form: Patient Demographics		
	Description (*)Required	Input Data
1	* Patient ID	
2	* Short ID	
3	Name Prefix	
4	* Last Name	
5	* First Name	
6	Middle Name	
7	DOB	01AUG20
8	Generational Suffix	
9	Professional Suffix	NA
10	Marital Status	
11	Gender	MA
12	Race	OT

Patient Demographics Data
 

- Basic Patient Data
- Address
- Phones
- Emergency Contact
- Military Data
- Insurance
- Guarantor
- Correspondence
- ? System Help
- ? Display Help

When a user asks for help they are shown a standard Merlin help control object that gives a user 3 levels of help that have all been constructed by the application SME. The following is for a clinical information system.

When first exposed it displays an overview of the application in the window on the right and the index list of help categories on the left. The tabs allow a user to switch between the high level 'How Do I' categories and the index list of detailed help instructions.

Index
How Do I
Exit Help


Type in the Keyword to Find

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AA\_M2K Overview.htm  
 Adding your own vocabulary.htm  
 Audio setup Wizard.htm  
 Beginning a new line.htm  
 Beginning a new paragraph.htm  
 Building an exceptional voice model.htm  
 Capitalizing an utterance.htm  
 Changing Environments.htm  
 Changing patient basic information.htm  
 Changing your password.htm  
 Chronic Care Flow Sheet.htm  
 Clinic - Setting up or Changing.htm  
 Copy selected text.htm  
 Correcting misrecognitions.htm  
 Create a new File Folder.htm  
 Creating a signature line.htm  
 Date and time.htm  
 Deleting highlighted text.htm  
 Dialogue boxes-what are they.htm  
 Dictating into other applications.htm  
 Dictation versus commands.htm  
 Documents - new or existing.htm  
 Eliminating outside noise from being heard.htm  
 Encounter note - completing unsigned and in progress.htm  
 Encounter note - deleting an unsigned note.htm  
 Encounter note - dictating a new note.htm  
 Encounter note - process workflow overview.htm  
 Encounter note - signing closing and locking.htm  
 Encounter notes - show all unsigned by user.htm  
 Encounter notes - show me my unsigned notes.htm  
 Environments - what are they.htm

Display

### CDSI HELP



Introducing



M2K is a Computer-Based Patient Record System (CPR) and clinical workflow system. As such it enables you to control your computer, create and manage patient records and documents, utilize standard forms to create op reports, progress notes, doctor's orders, consults, etc. as well as interface with other systems on your desktop -- simply through any combination of keyboard, mouse or your natural voice.

Although voice recognition and dictation may be new concepts to you, they are easy to learn. The more you use M2K, the better you are recognized and the faster your patient notes are documented to local medical facility as well as Enterprise standards. After using M2K for a short time, you will be able to create and manage all required CPR documentation -- much faster than with prior methods.

M2K was designed and built to be operated exclusively by voice, exclusively by keyboard and mouse, or in any combination of the three as a user sees fit. This allows each user to determine how they can be most comfortable and gain the most productivity using M2K.